

## Refine Search

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L4 with L2	32

Database:

US Pre-Grant Publication Full-Text Database  
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Search:

L5

Refine Search

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### Search History

DATE: Monday, March 01, 2004 [Printable Copy](#) [Create Case](#)

#### Set Name Query

side by side

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result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ

<u>L5</u>	L4 with l2	32	<u>L5</u>
<u>L4</u>	replication defective or replication incompetent	6146	<u>L4</u>
<u>L3</u>	replication defective replication incompetent	10	<u>L3</u>
<u>L2</u>	immunomodulatory or cytokine	43625	<u>L2</u>
<u>L1</u>	6287557	6	<u>L1</u>

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L5: Entry 24 of 32

File: USPT

Jun 6, 2000

DOCUMENT-IDENTIFIER: US 6071512 A

TITLE: Infective protein delivery system

## CLAIMS:

24. A method for treating a human patient for cancer, comprising the steps of:

- a) isolating TIL cells from a human patient in need of treatment for cancer, said cancer being associated with tumor production;
- b) infecting said TIL cells with a replication defective retrovirion having a gene operably linked to a retroviral control sequence, said gene encoding a cytokine, said cytokine being expressed in said infected TIL cells; and
- c) administering to said patient an effective amount of said infected TIL cells, thereby suppressing said tumor production.

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L5: Entry 25 of 32

File: USPT

Jun 3, 1997

DOCUMENT-IDENTIFIER: US 5635399 A

TITLE: Retroviral vectors expressing cytokines

CLAIMS:

1. A replication defective retroviral particle capable of infecting a human cell, said retroviral particle having an RNA sequence therein encoding a human protein, said RNA sequence operably linked to a promoter and expressible in said human cell, said protein being a cytokine or tissue plasminogen activator.

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File: USPT

Mar 11, 2003

DOCUMENT-IDENTIFIER: US 6531307 B1

TITLE: Adenoviral vectors encoding a cytokine and a conditionally lethal gene

## CLAIMS:

17. A replication defective and recombinant adenoviral vector that infects human cells, said replication defective and recombinant adenoviral vector comprising a first and a second recombinant gene operably linked to a control sequence, said first recombinant gene encoding a thymidine kinase which activates a prodrug to a cytotoxic agent, said second recombinant gene encoding a human cytokine, said genes being expressed when said adenoviral vector infects a human cell.

First Hit



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L5: Entry 15 of 32

File: PGPB

Jan 24, 2002

DOCUMENT-IDENTIFIER: US 20020009462 A1

TITLE: HERPESVIRUS REPLICATION DEFECTIVE MUTANTS

Detail Description Paragraph:[0140] Replication Defective Mutants of HSV-1 Induce Immunomodulatory Effect

## CLAIMS:

12. A method of treating an immunomodulatory disease in a mammal in need thereof comprising administering to the mammal an effective amount of a mutated herpesvirus in a pharmaceutically acceptable carrier, the herpesvirus having a mutation in one or more genes encoding a protein essential for viral replication to render the herpesvirus replication defective, said mutant herpesvirus having an ability to effect an antibody subclass shift of IgG2a to IgG1 upon in vivo administration to said mammal.